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## Abstract of the Disclosure:

The method for dispersion compensation and the dispersion compensator that carries out the method, split an optical signal into two frequency bands  $f_{\text{H}}$  and  $f_{\text{L}}$ . The frequency bands are transmitted in two Mach-Zehnder arms, where they are subjected to different propagation delays. When the frequency bands are recombined, they are polarized orthogonally with respect to one another.

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